

BOARD OF FIREFIGHTING PERSONNEL STANDARDS AND EDUCATION

Hazardous Material Operations

Sample Test



7/10/15

Version 0

Hazmat Operations

1. NFPA 472, Standards for Professional Competence of Responders to Hazardous Material Incidents, 2008 Edition, Chapters 3, 4, 5 and 6.
2. Jones and Bartlett Hazardous Material Awareness and Operations
3. ERG, Emergency Response Guidebook, 2012 Edition

1. Which form of decontamination typically consists of removing contaminated clothing and dousing the victim with large volumes of water?
 - A. technical
 - B. mass
 - C. emergency
 - D. formal
2. What level of hazardous material training enables firefighters to recognize a potential hazardous materials incident, isolate and deny entry to other responders and the public, evacuate persons in danger, and take defensive action?
 - A. awareness
 - B. initial responder
 - C. operations
 - D. field
3. What is the technique of redirecting the flow of a liquid away from an area?
 - A. diversion
 - B. damming
 - C. diking
 - D. detainment
4. When a chemical change occurs, the event is usually accompanied by:
 - A. the release of some form of energy
 - B. at least one of the substances boiling
 - C. a momentary pseudo-or cold boil
 - D. the evolution of some kind of gas
5. Which statement about emergency decontamination is the *most* correct?
 - A. its use should be restricted to life-threatening situations
 - B. it is an accelerated trip through the decontamination corridor
 - C. it is done outside of the decontamination corridor
 - D. it should be thorough enough to remove all contaminants
6. Which of the following is a recommended treatment for heat exhaustion?
 - A. no intervention is necessary
 - B. perform rapid cooling by any means available
 - C. give drinks high in glucose
 - D. remove the patient from the heat source
7. What is the purpose of the rings around an MC-312 corrosives tanker?
 - A. cooling
 - B. heating
 - C. structural stability
 - D. vapor collection

8. What mnemonic helps fire fighters remember a set of lighter-than-air gases.
- A. RISING POP
 - B. 4H MEDIC ANNA
 - C. OH ME TOO
 - D. BRIAN 2 ME
9. What will a liquid with a specific gravity of 0.7 do in water?
- A. float on top
 - B. sink to the bottom
 - C. mix
 - D. dissolve
10. Which is a containment tactic?
- A. plugging
 - B. damming
 - C. diking
 - D. vapor control
11. The LC50 applies to materials in the _____ state.
- A. solid
 - B. suspended
 - C. liquid
 - D. gaseous
12. What does the acronym CBRN refer to?
- A. strategic priorities at a hazardous materials incident
 - B. signs and symptoms of chemical exposure
 - C. types of terrorist attacks
 - D. pre-entry checklist items
13. What is the term of a catastrophic failure of a pressurized cylinder of liquid?
- A. BEDEL
 - B. PLUME
 - C. CLOPE
 - D. BLEVE
14. What is the term for an engineered catch basin around a 5000-gallon liquid container that is designed to contain product if the container fails?
- A. auxiliary diking
 - B. moller wall
 - C. confinement barrier
 - D. secondary containment
15. What are actions that stop a hazardous material from leaking or escaping its container?
- A. confinement
 - B. containment
 - C. control
 - D. mitigation